STAIRVILLE

GF-3000

Ground Fog Machine

th•mann
MUSIC IS OUR PASSION

user manual

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1 General information

This manual contains important instructions for the safe operation of the unit. Read and follow the safety instructions and all other instructions. Keep the manual for future reference. Make sure that it is available to all those using the device. If you sell the unit please make sure that the buyer also receives this manual.

Our products are subject to a process of continuous development. Thus, they are subject to change.

1.1 Further information

On our website (*www.thomann.de)* you will find lots of further information and details on the following points:

Download	This manual is also available as PDF file for you to download.
Keyword search	Use the search function in the electronic version to find the topics of interest for you quickly.
Online guides	Our online guides provide detailed information on technical basics and terms.
Personal consultation	For personal consultation please contact our technical hotline.
Service	If you have any problems with the device the customer service will gladly assist you.

1.2 Notational conventions

This manual uses the following notational conventions:

Letterings

The letterings for connectors and controls are marked by square brackets and italics.

Examples: *[VOLUME]* control, *[Mono]* button.

Instructions

The individual steps of an instruction are numbered consecutively. The result of a step is indented and highlighted by an arrow.

Example:

1. Switch on the device.
2. Press *[Auto]*.
   ⇨ Automatic operation is started.
3. Switch off the device.

1.3 Symbols and signal words

In this section you will find an overview of the meaning of symbols and signal words that are used in this manual.

Signal word	Meaning
DANGER!	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING!	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
NOTICE!	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Warning signs	Type of danger
	Warning – corrosive substances.
	Warning – high-voltage.
	Warning – extreme cold.
	Warning – harmful or irritating substances.
	Warning – danger zone.

2 Safety instructions

Intended use

This device is intended for generating artificial fog by evaporation of dry ice in hot water. The device is designed for professional use and is not suitable for use in households. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Safety

DANGER!

Danger for children

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

DANGER!

Electric shock caused by high voltages inside

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

DANGER!

Electric shock caused by short-circuit

Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

WARNING!

Danger of frostbite when handling dry ice

Dry ice is frozen carbon dioxide (CO_2) at a temperature of –87,5 °C . Direct contact of dry ice with the skin causes severe frostbite.

Never touch dry ice with bare hands. When handling dry ice, wear suitable protective gloves and ensure appropriate eye protection.

If you break up large blocks of dry ice, cover them first with a towel or a cloth bag.

WARNING!

Danger of suffocation on storage of dry ice

Gaseous carbon dioxide in high concentrations causes suffocation. Even low concentrations can lead to circulatory insufficiency, headache, unconsciousness, nausea or vomiting.

Keep dry ice containers in a well ventilated area where children can not gain access.

WARNING!

Danger of slipping from condensed water

Dripping condensation may cause the area around the device to be slippery.

Check regularly that all floors can be accessed without slipping and remove the condensed water, if necessary.

NOTICE!

Risk of fire

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

NOTICE!

Operating conditions

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

NOTICE!

Power supply

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

NOTICE!

Possible staining

The plasticiser contained in the rubber feet of this product may possibly react with the coating of your parquet, linoleum, laminate or PVC floor and after some time cause permanent dark stains.

In case of doubt, do not put the rubber feet directly on the floor, but use felt-pad floor protectors or a carpet.

3 Features

This fog machine is suitable for use in clubs, bars, discotheques and on stages

Special features of the device:

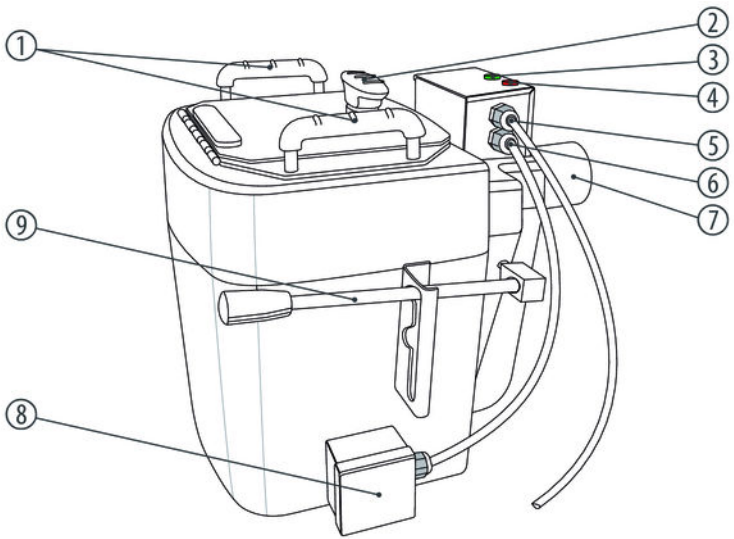
- High efficiency heating element
- Large water tank
- Robust housing

4 Installation

Unpack and carefully check that there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

Place the unit on a flat, non-flammable, solid surface in a well ventilated area.

5 Connections and operating elements



1	Carrying handles.
2	Lid fastening.
3	*[READY]* Green indicator light. Indicates that the filled in water has the required operating temperature.
4	*[HEATING]* Red indicator light. Lights when the unit is heating up.
5	Mains cable for power supply.
6	Connecting cable to the heating element.
7	Fog nozzle.
8	Heating element.
9	Lever for raising and lowering the ice bin.

6 Operating

Turn on the device

WARNING!

Danger of frostbite when handling dry ice

Dry ice is frozen carbon dioxide (CO_2) at a temperature of –87,5 °C . Direct contact of dry ice with the skin causes severe frostbite.

Never touch dry ice with bare hands. When handling dry ice, wear suitable protective gloves and ensure appropriate eye protection.

If you break up large blocks of dry ice, cover them first with a towel or a cloth bag.

NOTICE!

Fire hazard

Do not operate the machine unattended.

1. Make sure the unit is disconnected from the mains.

Open the lid fastening (2) and open the lid.

2. Lift the ice bin with the lever (8) and lock the lever in the highest position (marked with *[0]*).

3. Fill the tank with 5 litres of cold water. The water level must be below the ice bin when the lever (8) is in the highest position (*[0]*).

4. Connect the device to the power grid.

⇨ The red indicator light (4) comes on to indicate that the unit is heating up. When the red indicator light is not lit check the water level and top up water if necessary.

5. Carefully fill the ice bin with dry ice. It holds 2.2 kg.

If ice particles lie on the edge of the supply tank, wipe the edge clean with a cloth.

6. Fold down the lid and close the lid fastening.

7. Wait until the green indicator light (3) comes on. Now the water has reached the required temperature for fog generation. When the water cools down too much during operation, the heating is switched back on and the red indicator light (4) comes on.

Lower the ice bin slowly with the lever (8) down to the middle position (*[1]*) so that the dry ice gets in contact with the hot water. As a result, the solid carbon dioxide evaporates immediately and releases clouds of steam emerging from the fog nozzle (7). When the fog output decreases, you can lower the ice bin cautiously.

8. When water and dry ice are used up, you can refill the unit.

Operation

When operating, always ensure that there is sufficient water in the supply tank to avoid no-load running.

Turning the unit off

Disconnect the device from the mains. Transport the device only when it is completely cooled down. To avoid leaking water during transport, you should transport the device only with empty supply tank.

7 Technical specifications

Heater power	2200 W
Water container capacity	8.2 l
Dry ice bin capacity	2.2 kg
Warm-up time	approx. 15 min
Operating supply voltage	AC 230 V ~, 50 Hz
Power consumption	2530 W
Dimensions (W × H × D)	415 mm × 360 mm × 350 mm
Weight	7.55 kg

8 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

Symptom	Remedy
Although the device is connected to the mains, none of the indicator lights come on.	1. Check the mains connection and the main fuse.
	2. Check the water level. Fill in so much water, that the water level sensor in the supply tank is completely under water.
No fog output	1. When the red indicator light is lit, the unit is still heating up. Wait until the green indicator light lights up.
	2. Check the fluid level in the supply tank.
	3. Check the fluid level in the dry ice bin.

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

9 Cleaning

Components

Clean the externally accessible device parts regularly. The frequency of cleaning depends on the operating environment: wet, smoky or particularly dirty surroundings can cause more accumulation of dirt on the device parts.

- Clean with a soft dry cloth.
- Stubborn stains may be removed with a slightly damp cloth.
- Never use cleaners containing alcohol or thinner.

Descaling

WARNING!

Possible cauterization by descaling agent

Descaling agents contain caustic substances that can damage eyes and skin on direct contact.

Wear protective gloves when using descaling agents. When using descaling agents follow the instructions and safety precautions of the descaling agent.

If eyes or skin have come in contact with descaling agent wash it off immediately with clear water. In case of contact with eyes, see a doctor. If swallowed, seek medical advice immediately and show the packaging or label.

The appliance should be descaled regularly. This shortens the heating time and reduces the energy consumption. The frequency depends on the hardness of the water used. For descaling we recommend commercially available liquid descaler for household use.

1. Make sure the unit is disconnected from the mains.

   Open the lid fastening (2) and open the lid.

2. Fill the tank with 5 litres of cold water.

3. Connect the device to the power grid.

⇨ The red indicator light (4) comes on to indicate that the unit is heating up.

4. Fold down the lid and close the lid fastening.

5. Wait until the green indicator light (3) comes on. Now the water has reached the required temperature.

6. Disconnect the device from the mains (pull the mains plug).

7. Open the lid fastening (2) and open the lid.

Fill one portion of the descaling agent (dosage according to manufacturer's instructions) into the supply tank.

8. Fold down the lid and close the lid fastening.

9. Lower the ice bin with the lever (8) down to the lowest position (*[2]*).

10. Wait about 60 minutes.

11. Open the lid fastening (2) and open the lid.

Pour the mixture out of the supply tank.

12. Rinse the supply tank at least twice with clear water.

10 Protecting the environment

Disposal of the packaging material

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

Disposal of your old device

This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE). Do not dispose with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.